



## Technical Specifications



# EURORACK UB1832FX-PRO

Ultra-Low Noise Design 18-Input 3/2-Bus Mic/Line Mixer with Premium Mic Preamplifiers and Multi-FX Processor

# UB1832FX-PRO

## Ultra-Low Noise Design 18-Input 3/2-Bus Mic/Line Mixer with Premium Mic Preamplifiers and Multi-FX Processor

- Ultra-low noise design, highest possible headroom, ultra-transparent audio
- 6 state-of-the-art, studio-grade IMP "Invisible" Mic Preamps with 130 dB dynamic range for 24-bit, 192 kHz sampling rate inputs
- Revolutionary FBQ feedback detection system instantly reveals critical frequencies
- Studio-grade stereo FX processor with 100 awesome presets including reverb, chorus, flanger, delay, pitch shifter and various multi-effects
- Voice canceller function for easy-to-use sing-along applications
- Breathtaking XPQ 3D stereo surround effect for more vitality and enhanced stereo image
- 9-band stereo graphic EQ allows precise frequency correction of monitor or main mixes
- Effective, extremely musical 3-band EQ with semi-parametric mid band plus switchable low-cut filter on all mono channels
- Inserts on each mono channel for flexible connection of outboard equipment
- 14 balanced, high-headroom line inputs with +4/-10 level selection on stereo channels
- 3 aux sends per channel: one pre fader for monitoring, one pre/post fader switchable for monitoring/FX applications and one post fader (for internal FX or as external send)
- Clip LEDs, mute, main mix and subgroup routing switches, solo and PFL functions on all channels
- 2 subgroups with separate outputs for added routing flexibility and 2 multi-functional stereo aux returns with flexible routing
- Balanced main mix outputs with TRS and gold-plated XLR connectors, separate control room, headphone and 2-track outputs
- Control room/phones outputs with multi-input source matrix
- 2-track inputs assignable to main mix or control room/headphone outputs
- Switchable +48 V phantom power for condenser microphones
- High-quality components and exceptionally rugged construction ensure long life
- Conceived and designed by BEHRINGER Germany

## Specifications

### Microphone Inputs (IMP Invisible Mic Preamp)

|                                    |  |
|------------------------------------|--|
| Type                               | XLR, electronically balanced, discrete input circuit   |
| <b>Mic E.I.N. (20 Hz - 20 kHz)</b> |  |
| @ 0 Ω source resistance            | -134 dB / 135.7 dB A-weighted                          |
| @ 50 Ω source resistance           | -131 dB / 133.3 dB A-weighted                          |
| @ 150 Ω source resistance          | -129 dB / 130.5 dB A-weighted                          |
| Frequency response                 | <10 Hz - 150 kHz (-1 dB),<br><10 Hz - 200 kHz (-3 dB)  |
| Gain range                         | +10 to +60 dB  |
| Max. input level                   | +12 dBu @ +10 dB Gain                                  |
| Impedance                          | approx. 2.6 kΩ balanced                                |
| Signal-to-noise ratio              | 110 dB / 112 dB A-weighted<br>(0 dBu In @ +22 dB gain) |
| Distortion (THD+N)                 | 0.005% / 0.004% A-weighted                             |

### Line Input

|                  |  |
|------------------|--|
| Type             | ¼" TRS connector electronically balanced   |
| Impedance        | approx. 20 kΩ balanced<br>10 kΩ unbalanced |
| Gain range       | -10 to +40 dB                              |
| Max. input level | +22 dBu @ 0dB Gain                         |

### Fade-Out Attenuation<sup>1</sup> (Crosstalk Attenuation)

|                      |       |
|----------------------|-------|
| Main fader closed    | 90 dB |
| Channel muted        | 89 dB |
| Channel fader closed | 89 dB |

**Frequency Response****Microphone input to main out**

|                  |               |
|------------------|---------------|
| <10 Hz - 90 kHz  | +0 dB / -1 dB |
| <10 Hz - 160 kHz | +0 dB / -3 dB |

**Stereo Inputs**

|                  |  |
|------------------|--|
| Type             | ¼" TRS connector,<br>electronically balanced |
| Impedance        | approx. 20 kΩ                                |
| Max. input level | +22 dBu                                      |

**EQ Mono Channels**

|      |                         |
|------|-------------------------|
| Low  | 80 Hz / ±15 dB          |
| Mid  | 100 Hz - 8 kHz / ±15 dB |
| High | 12 kHz / ±15 dB         |

**EQ Stereo Channels**

|          |                 |
|----------|-----------------|
| Low      | 80 Hz / ±15 dB  |
| Low Mid  | 500 Hz / ±15 dB |
| High Mid | 3 kHz / ±15 dB  |
| High     | 12 kHz / ±15 dB |

**Aux Sends**

|                   |                             |
|-------------------|-----------------------------|
| Type              | ¼" TS connector, unbalanced |
| Impedance         | approx. 120 Ω               |
| Max. output level | +22 dBu                     |

**Stereo Aux Returns**

|                  |  |
|------------------|--|
| Type             | ¼" TRS connector,<br>electronically balanced |
| Impedance        | approx. 20 kΩ bal. / 10 kΩ unbal.            |
| Max. input level | +22 dBu                                      |

**Main Outputs**

|                   |  |
|-------------------|--|
| Type              | ¼" TS connector unbalanced                   |
| Impedance         | approx. 240 Ω balanced /<br>120 Ω unbalanced |
| Max. output level | +22 dBu                                      |

**Control Room Outputs**

|                   |                            |
|-------------------|----------------------------|
| Type              | ¼" TS connector unbalanced |
| Impedance         | approx. 120 Ω              |
| Max. output level | +22 dBu                    |

**Headphones Outputs**

|                   |  |
|-------------------|--|
| Type              | ¼" TRS connector, unbalanced                     |
| Max. output level | +19 dBu / 150 Ω (+25 dBm)                        |
| DSP               | 24-bit   |
| Converter         | 24-bit Sigma-Delta,<br>64/128-times oversampling |
| Sampling rate     | 40 kHz   |

**Main Mix System Data<sup>2</sup>****Noise**

|  |         |
|--|---------|
| Main mix @ -∞,<br>Channel fader @ -∞     | -101 dB |
| Main mix @ -0 dB,<br>Channel fader @ -∞  | -93 dB  |
| Main mix @ 0 dB,<br>Channel fader @ 0 dB | -81 dB  |

**Power Supply**

|                   |                               |
|-------------------|-------------------------------|
| Mains voltage     | 100 to 240 V~, 50/60 Hz       |
| Power consumption | 43 W                          |
| Fuse              | 100 - 240 V~: T 1.6 A H 250 V |
| Mains connection  | Standard IEC receptacle       |

**Physical/Weight**

|                        |   |
|------------------------|---|
| Dimensions (H x W x D) | approx. 3.5 x 16.9 x 14"<br>approx. 90 x 430 x 355 mm |
| Weight (Net)           | approx. 11.7 lbs / 5.3 kg                             |

Measuring conditions:

- 1 kHz rel. to 0 dBu; 20 Hz - 20 kHz; line input; main output; unity gain.
- 20 Hz - 20 kHz; measured at main output. Channels 1 - 4 unity gain; EQ flat; all channels on main mix; channels 1/3 as far left as possible, channels 2/4 as far right as possible. Reference = +6 dBu.

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